

Supplementary Materials

Structural basis for the autoinhibition of human RSK1 C-terminal kinase domain

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Table S1. Missing regions in chains A and B.

Residues		Location
Chain A	Chain B	
411-417	411-418	N-terminus
425-431	425-431	β 1- β 2 loop
436-440	438-440	β 2- β 3 loop
452-455		β 3- α C loop
481-486		β 4- β 5 loop
578-583	577-585	β 9- α F loop (activation loop)
708-735	709-735	C-terminus

Figure S1. Size-exclusion chromatography elution profile of RSK1 CTKD. The column (Hiload 16/60 Superdex 75) was calibrated by Gel Filtration Calibration Kit LMW (GE Healthcare). The molecular weight of the recombinant RSK1 CTKD is ~36.5 KDa. The elution profile showed a major peak of RSK1 CTKD monomer, suggesting that the protein is monomer in solution.

